

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/026378

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08J5/22 C08F8/00 C08G85/00 C08B37/00 C08L101/12
C08L101/14 C08J3/24 B01D67/00 B01D57/02 G01N27/447

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08F C08J B01D C08G G01N C08L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX, INSPEC, BIOSIS, IBM-TDB, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	OXFORD, C. ET AL: "Effect of chelated metal on amino acid transport in facilitated transport membranes incorporating metal affinity" POLYMERIC MATERIALS SCIENCE AND ENGINEERING, 77, 273-274 CODEN: PMSE DG; ISSN: 0743-0515, 1997, XP009043252 the whole document ----- -/--	1-4, 6-11, 13, 14, 17, 21-27



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

28 January 2005

Date of mailing of the international search report

04/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Hollender, C

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/026378

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MORGAN PETER E ET AL: "Polyvinyl alcohol-coated perfluorocarbon supports for metal chelating affinity separation of a monoclonal antibody" JOURNAL OF MOLECULAR RECOGNITION, vol. 9, no. 5-6, 1996, pages 394-400, XP009042477 ISSN: 0952-3499	8-11,13, 24,26
A	the whole document	1-4,6,7, 14,17
X	WO 03/059965 A1 (UNIVERSITY OF WASHINGTON; RATNER, BUDDY, D; NAIR, PRABHA, D; BOECKL, M) 24 July 2003 (2003-07-24) claims 1-18,24-39; examples 3,4 page 5, line 3 - page 14, line 13	8,9,12, 13,24,26
A		1-5,10, 11,15, 18, 20-22,25
A	EP 0 572 354 A (ALIGENA AG) 1 December 1993 (1993-12-01) claims 1-44; examples page 2, lines 1-34	1-27
A	US 4 335 017 A (MILES ET AL) 15 June 1982 (1982-06-15) claims; examples 12,13,20-29 column 2, line 6 - column 8, line 49	1-27

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/026378

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
W0 03059965	A1	24-07-2003	US	2003236323	A1	25-12-2003
EP 0572354	A	01-12-1993	GB	2267502	A	08-12-1993
			AT	161854	T	15-01-1998
			CA	2097124	A1	29-11-1993
			DE	69316085	D1	12-02-1998
			EP	0572354	A2	01-12-1993
			IL	105769	A	14-05-1996
			JP	6116322	A	26-04-1994
			US	5430099	A	04-07-1995
			US	5599506	A	04-02-1997
			US	5597863	A	28-01-1997
US 4335017	A	15-06-1982	GB	1574414	A	03-09-1980
			GB	1600241	A	14-10-1981
			US	4336161	A	22-06-1982